XtendLan

DPA-D2-QSW
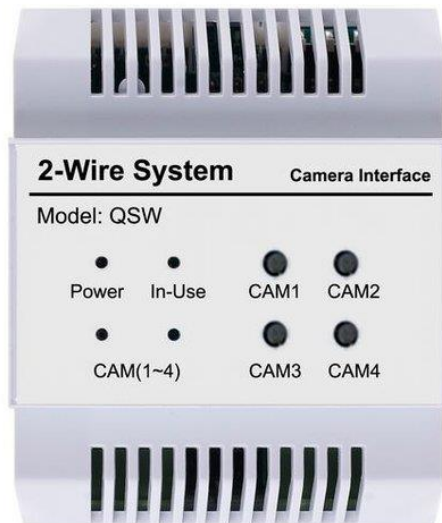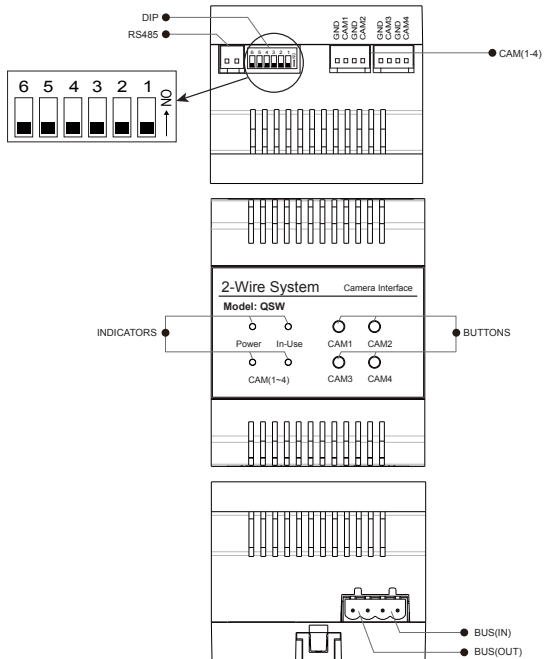## a video quad splitter

User manual

1.About QSW Unit

Discription:

The QSW module is designed to 2D system for the purpose of video quad splitter, four images from 4 different cameras can be displayed on screen of monitor via QSW unit.

NOTE: For monitor which support split display function, it can use the split display function of QSW.

2. Terminal Description

RS485:Reserved.

CAM1-4:Connect to regular analog CCTV.

BUS(IN):Connect to the bus line, no polarity.

BUS(OUT):Connect to the bus line, no polarity.

INDICATORS:

1.Power: Working indicator, always on when the QSW work normally.

2.In-Use:Video output indicator, always on when the QSW output the video.

3.CAM(1~4):Video output indicator.

In-Use	CAM(1~4)		Description
●	○	○	CAM1 video output
●	●	○	CAM2 video output
●	○	●	CAM3 video output
●	●	●	CAM4 video output

  * NOTE:
   A. ● :It shows that the indicator ON;
      ○ :It shows that the indicator OFF.

   B. CAM(1~4) indicator always on when CAM4 video output;
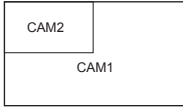   CAM(1~4) indicator flash when video split output video.

BUTTONS:

1.Press CAM1 button in monitoring state, the system will mandatory output
  the video of CAMERA 1.

2.Press CAM2 button in monitoring state, the system will mandatory output
  the video of CAMERA 2.

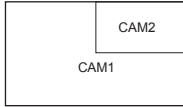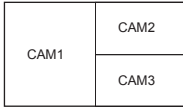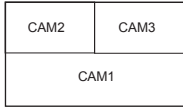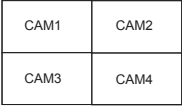3.Press CAM3 button in monitoring state, the system will mandatory output
  the video of CAMERA 3.

4.Press CAM4 button in monitoring state, the system will mandatory output
  the video of CAMERA 4.

5.Press and hold CAM4 button for 3 seconds in monitoring state, the system
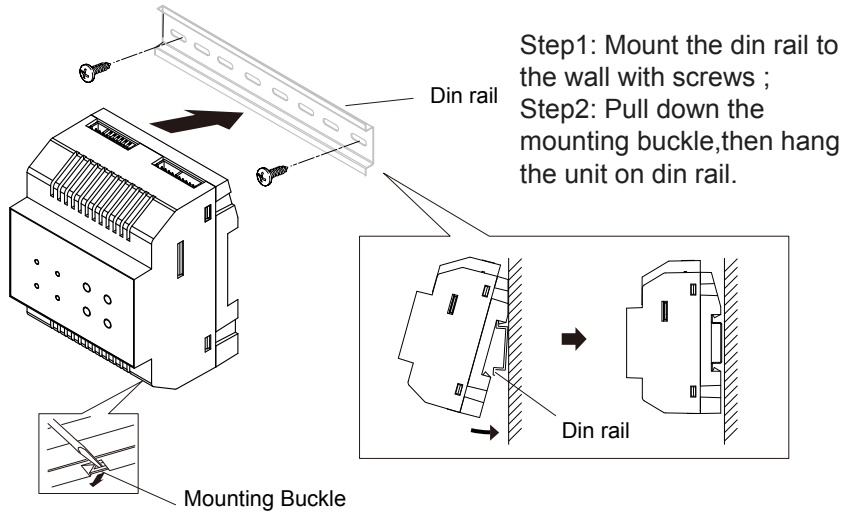 will mandatory output the video of quad split.

DIP:DIP switches.

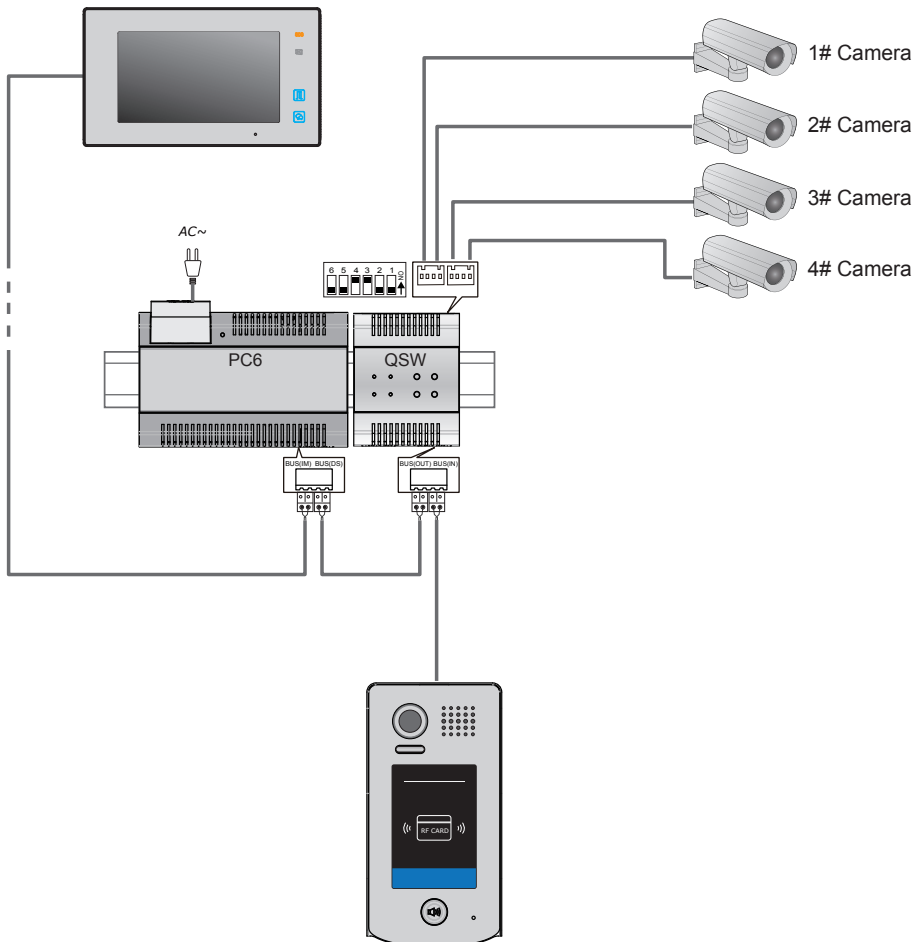| Bit	Bit State	Description
DIP1~DIP2		set to the first QSW.
		set to the second QSW.
		set to the third QSW.
		set to the fourthQSW.
DIP3		When set to OFF, it means that the third and fourth cameras unavailable; When set to ON, it means that the third camera available.
DIP4		When set to OFF, it means that the fourth camera unavailable; When set to ON, it means that the fourth camera available.
DIP5		When set to OFF, it means that the system select video split display mode A, for details, see later section #; When set to ON, it means that the system select video split display mode B,for details, see later section #.
DIP6		When the system connected SC6V, and SC6V connected two cameras(the two cameras of the device is valid),it should be set to ON; When the system don't connected SC6V(or connected SC6V, but SC6V don't connected camera), it should be set to OFF.

NOTE:

	Mode A	Mode B
Two cameras:	CAM2 / CAM1	CAM2 / CAM1
Three cameras:	CAM1 / CAM2 / CAM3	CAM2 / CAM3 / CAM1
Four cameras:		CAM1 CAM2 / CAM3 CAM4

3. Unit Mounting

Din rail

Step1: Mount the din rail to the wall with screws ;
Step2: Pull down the mounting buckle,then hang the unit on din rail.
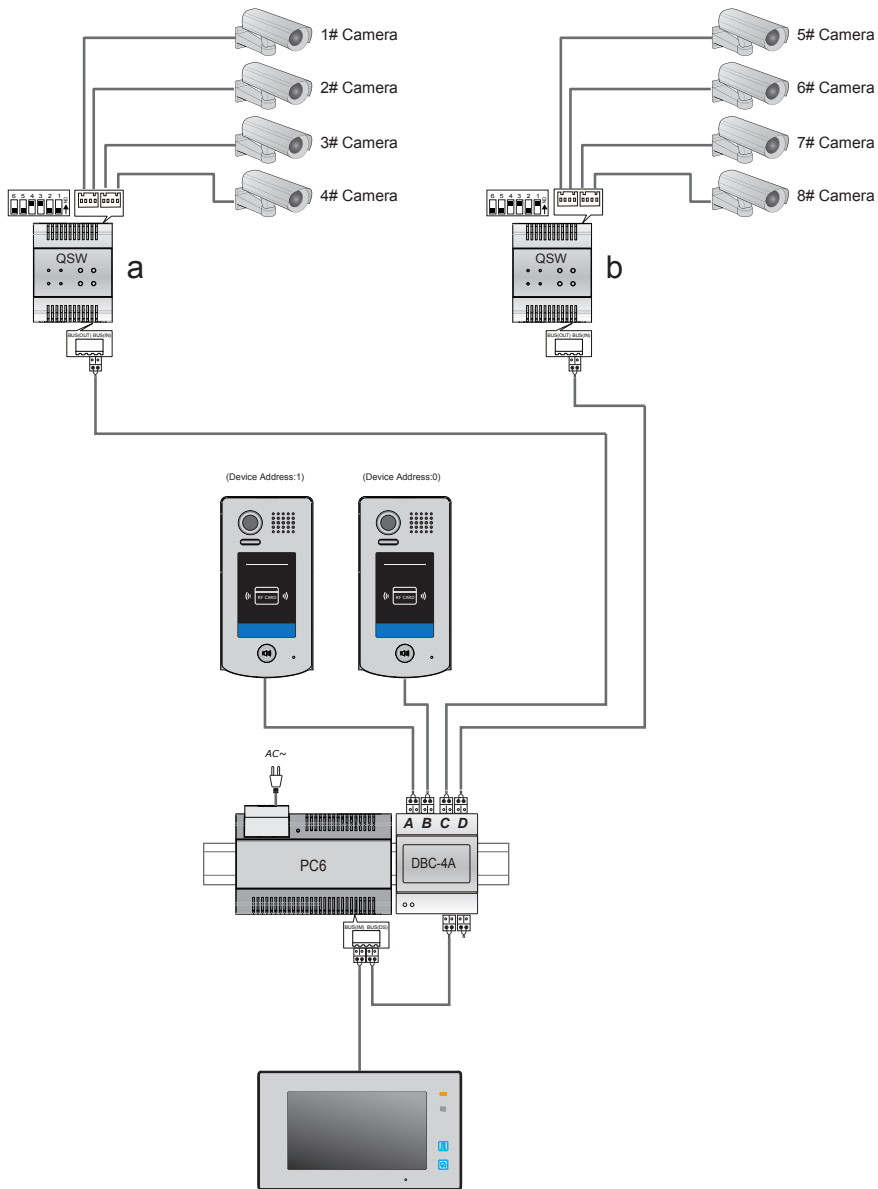
Din rail

Mounting Buckle

4. Wiring Diagram

4.1 Single door station and single QSW applications:

4.2 Multi door station and two QSW applications:

NOTE: The system can connect SC6V, but at this time, the DIP6 of DT-QSW must be set to ON.

5. Specification

- Power Supply :   DC24V;
- Working Temperature: $-15^{0}C\sim+55^{0}C$;
- Wiring: 2 wire,non-polarity;
- Dimension: 90(H)×72(W)×60(D)mm.